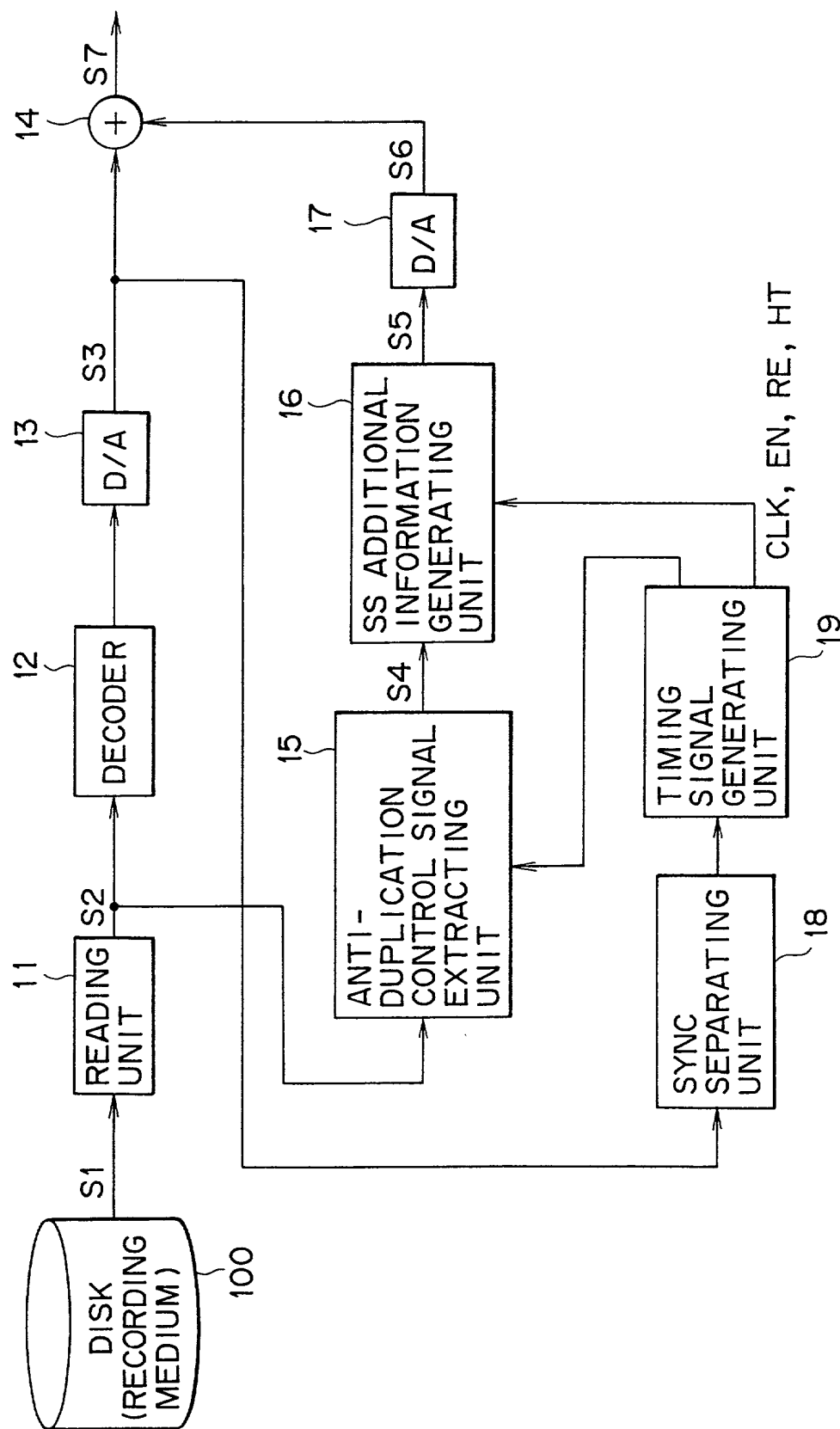
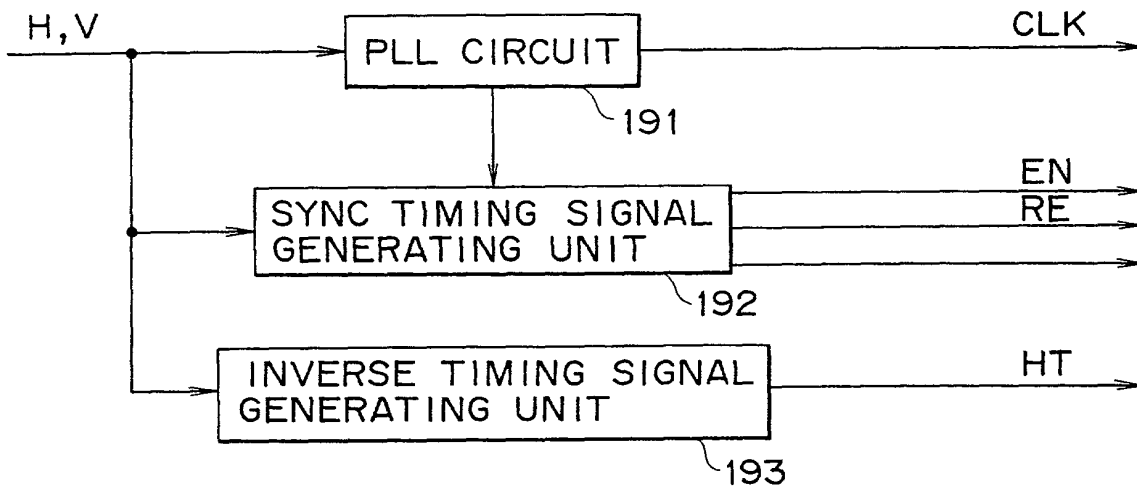


FIG. 1



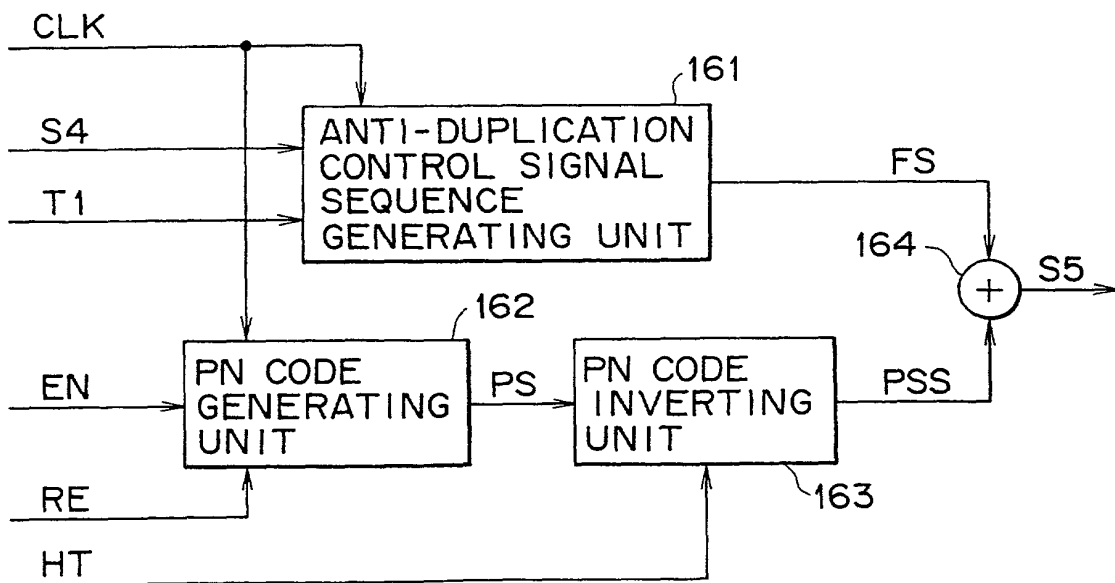
# FIG. 2

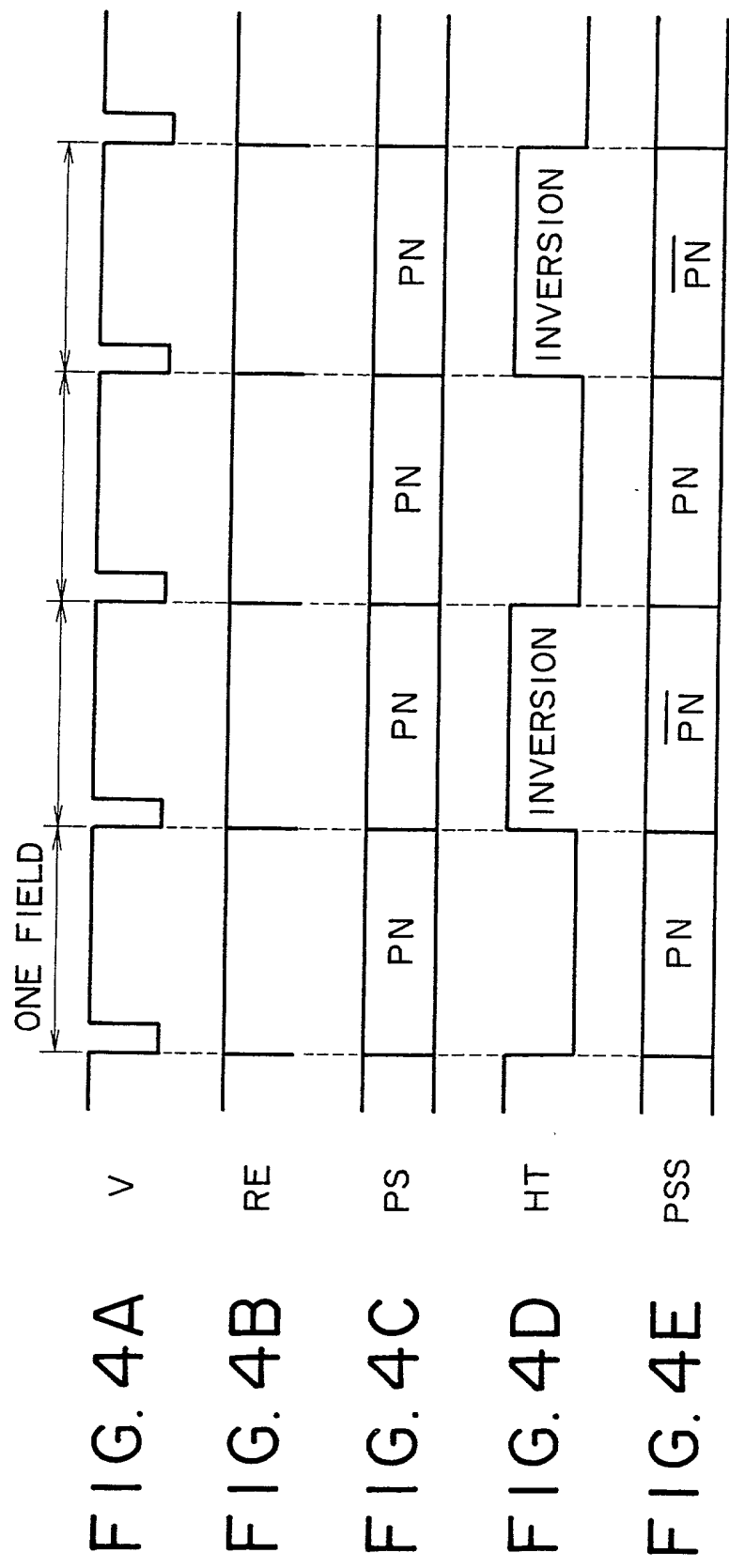
19



# FIG. 3

16





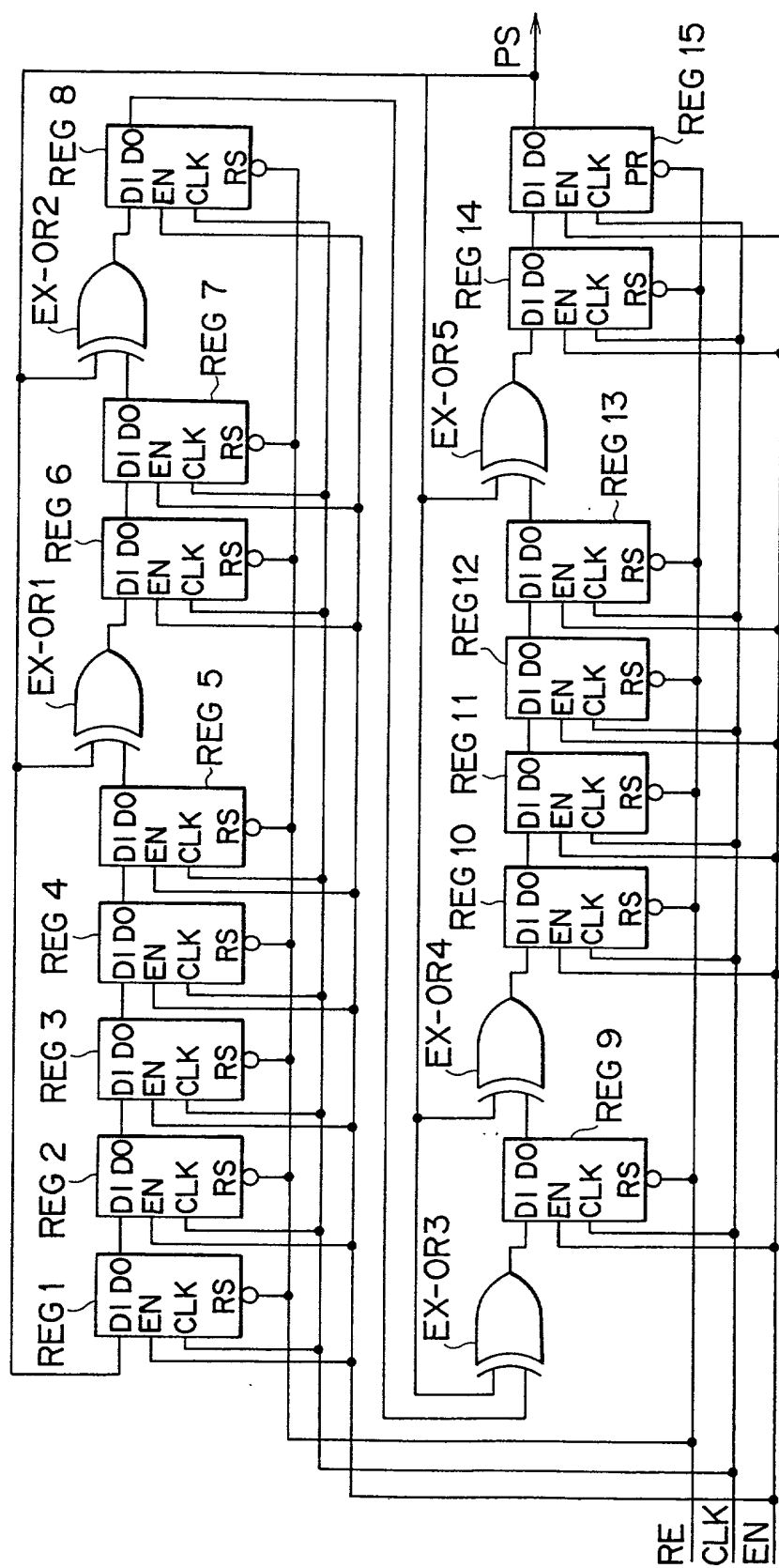
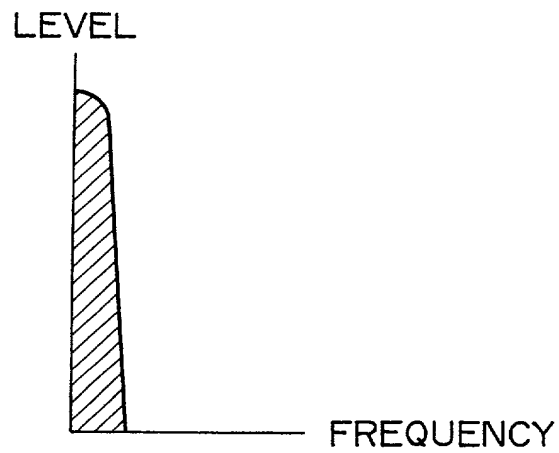
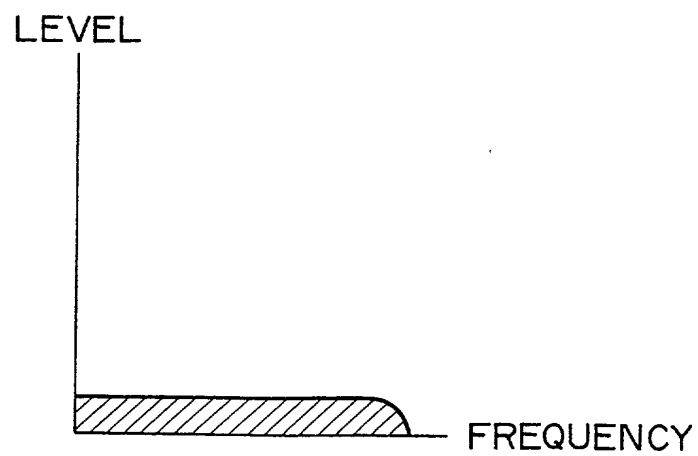


FIG. 6A



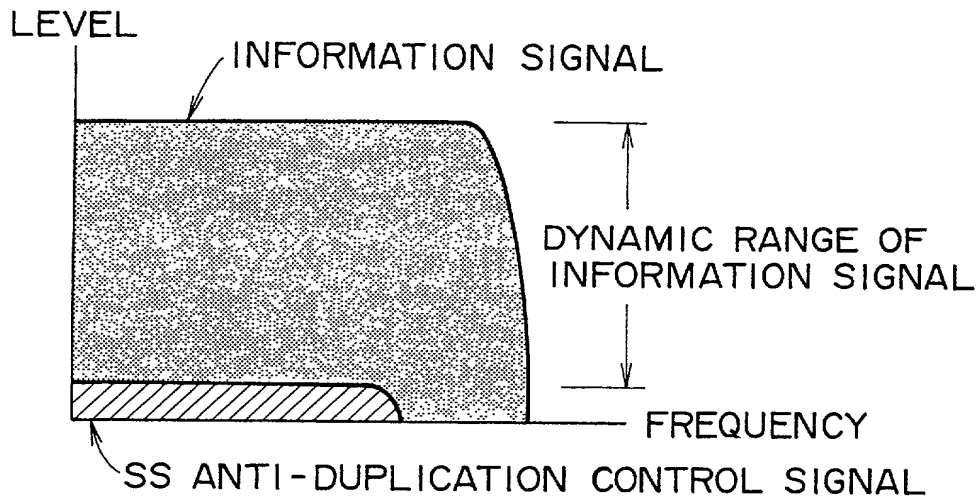
ANTI-DUPLICATION CONTROL SIGNAL SPECTRUM  
BEFORE SPECTRAL SPREADING

FIG. 6B



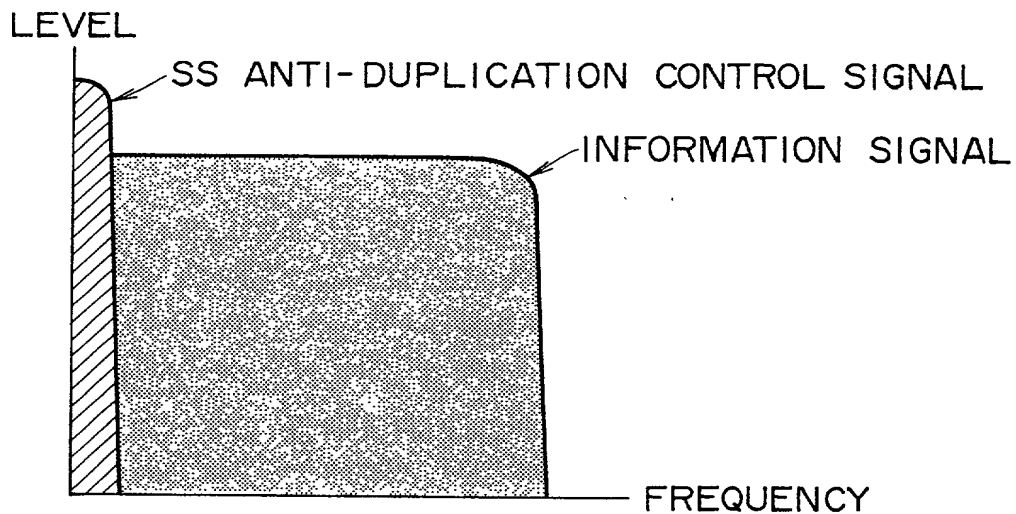
ANTI-DUPLICATION CONTROL SIGNAL SPECTRUM  
AFTER SPECTRAL SPREADING

# FIG. 6C



SPECTRUM OF INFORMATION SIGNAL ON WHICH SS ANTI-DUPLICATION CONTROL SIGNAL IS SUPERIMPOSED

# FIG. 6D



SIGNAL SPECTRUM AFTER SPECTRAL DESPREADING ON RECORDER SIDE

FIG. 7

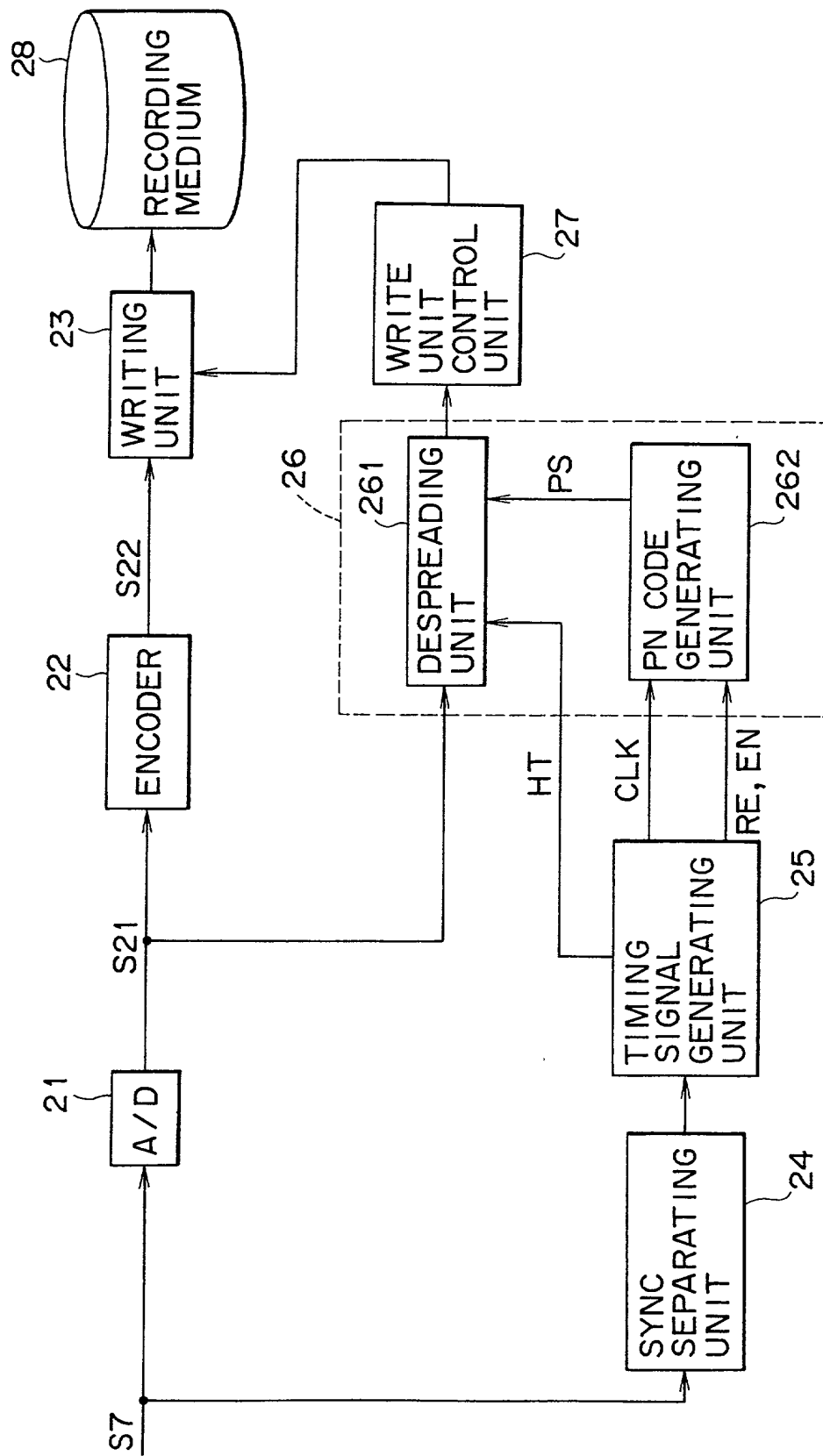
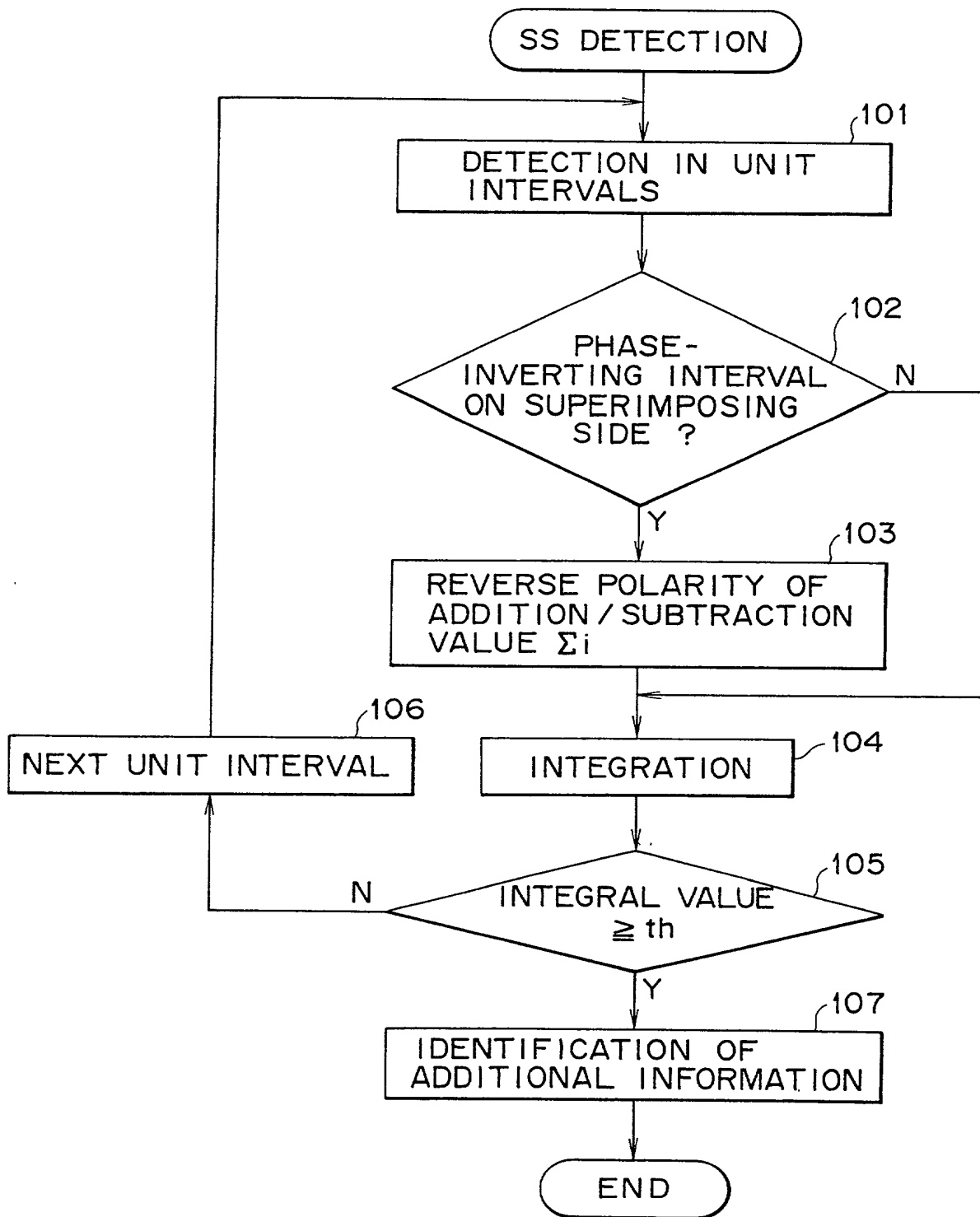


FIG. 8





# FIG. 9

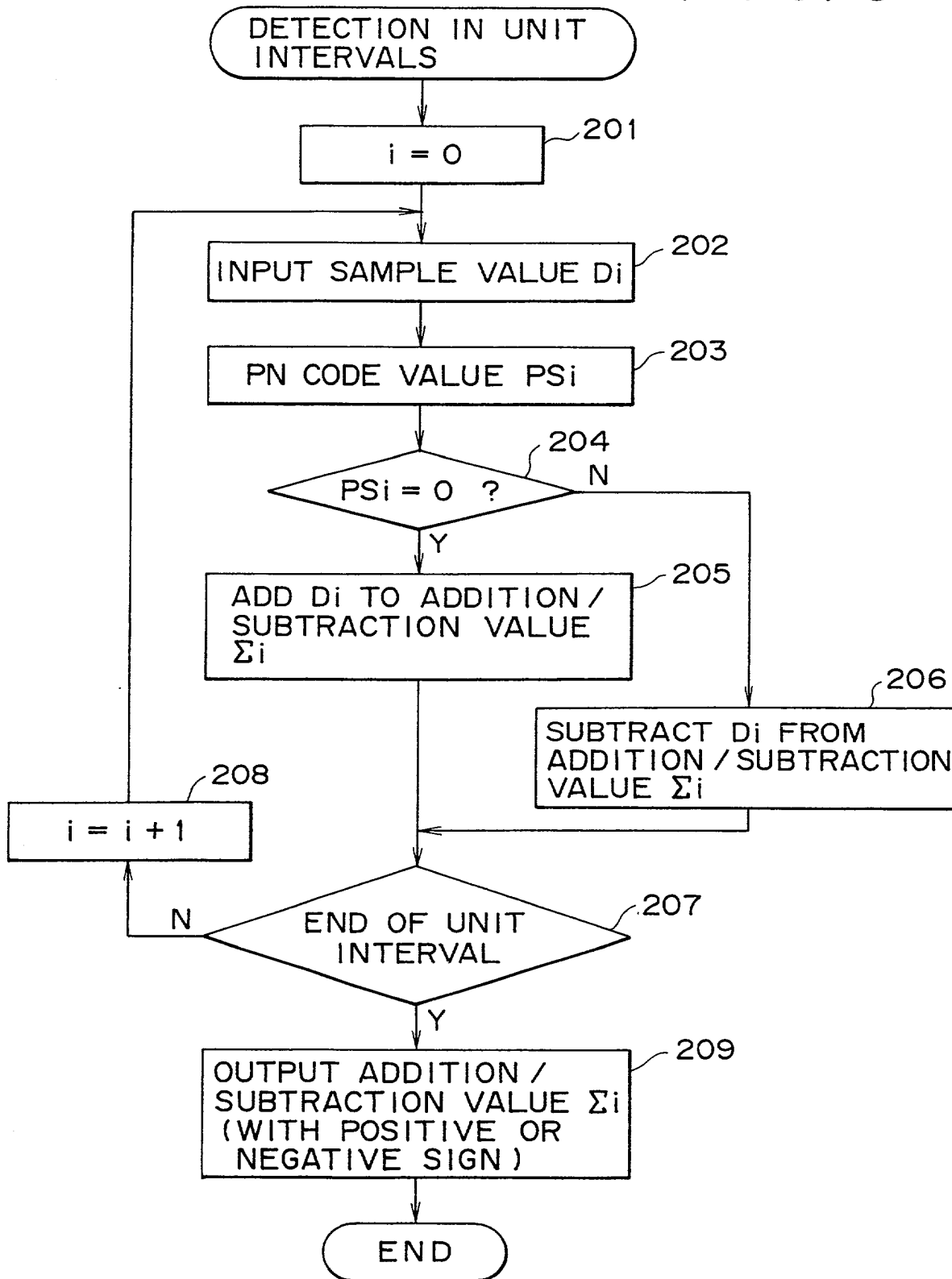


FIG. 10A

ADDITIONAL BIT	<sup>0</sup> (NON-INVERTING INTERVAL)				<sup>0</sup> (INVERTING INTERVAL)			
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FIG. 10B

SS SIGNAL	0	1	1	0	1	0	0	1
-----------	---	---	---	---	---	---	---	---

FIG. 10C

PN CODE (DETECTION SIDE)	0 (+)	1 (-)	1 (-)	0 (+)	0 (+)	1 (-)	1 (-)	0 (+)
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FIG. 10D

A/D OUTPUT (VIDEO PART)	100	200	10	150	100	200	10	150
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FIG. 10E

ADDITION/ SUBTRACTION VALUE	100	-100	-110	40	100	-100	-110	40
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FIG. 10F

D/A OUTPUT (SS SIGNAL PART)	1	-1	-1	1	-1	1	1	-1
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FIG. 10G

ADDITION/ SUBTRACTION VALUE	1	2	3	4	-1	-2	-3	-4
--------------------------------	---	---	---	---	----	----	----	----

FIG. 11

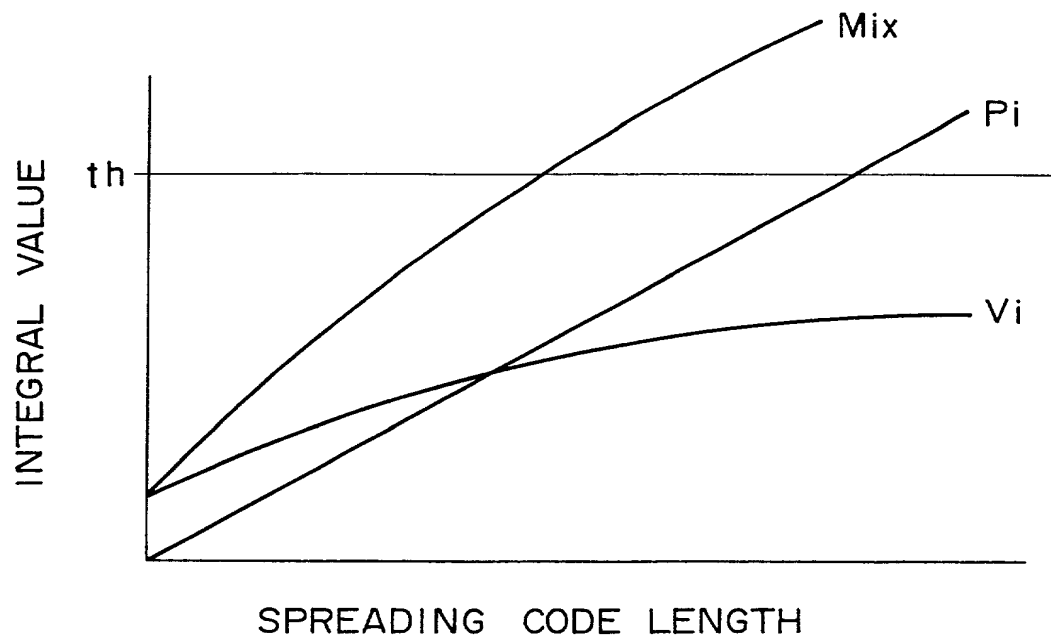
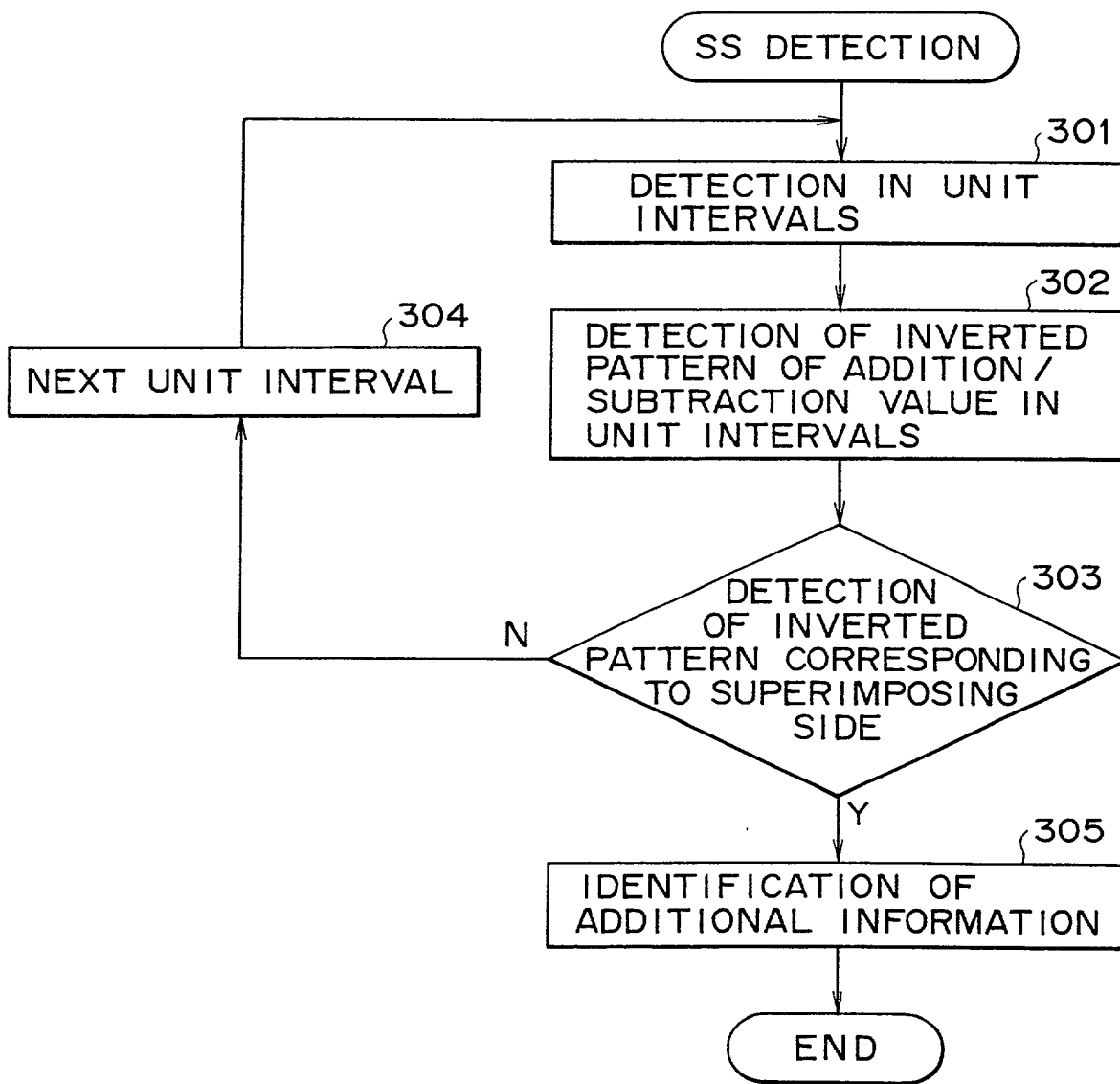


FIG. 12



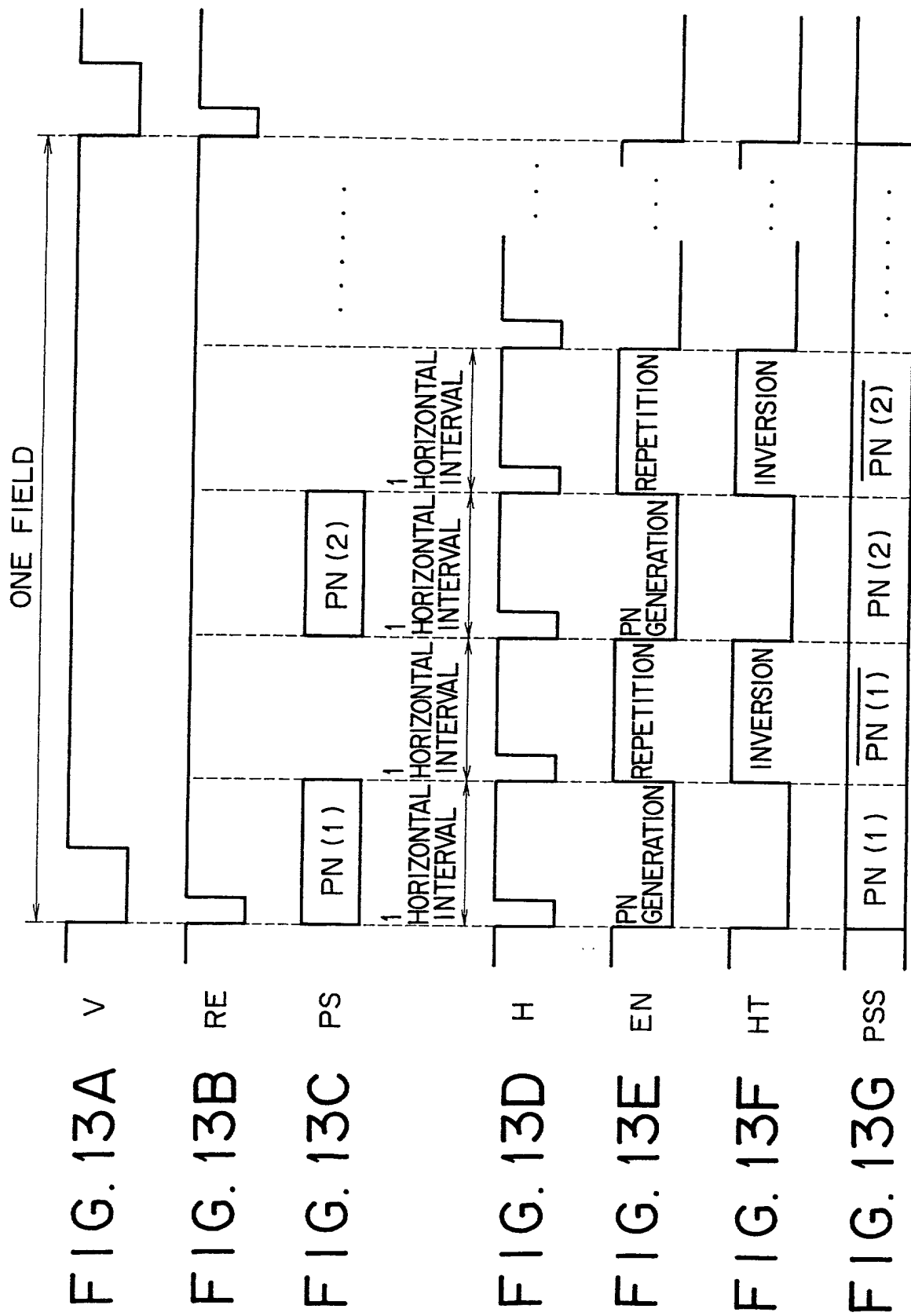


FIG. 14

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